

Sample Schedule: BS Analytical

FRESHMAN YEAR (29 CR)

Semester 1		Semester 2	
CHEM 211, 213 General Chemistry I	4	CHEM 212, 214 General Chemistry II	4
MATH 113 Anal. Geom. & Calc. I	4	MATH 114 Anal. Geom. & Calc. II	4
HIST requirement	3	BIOL 213 Cell Structure & Function	4
ENGH 101	3	COMM requirement	3
	14		15

SOPHOMORE YEAR (31 CR)

Semester 3		Semester 4	
CHEM 313 Organic Chemistry I	3	CHEM 314 Organic Chemistry II	3
CHEM 315 Organic Chemistry Lab I	2	CHEM 318 Organic Chemistry Lab II	2
PHYS 160 University Physics I	3	CHEM 321 Quant. Chem. Analysis	4
PHYS 161 University Physics Lab I	1	PHYS 260 University Physics II	3
MATH 213 Anal. Geom. & Calc. III	3	PHYS 261 University Physics Lab II	1
IT requirement - CDS 130	3	Literature requirement	3
	15		16

JUNIOR YEAR (29 CR)

Semester 5		Semester 6	
CHEM 331 Physical Chemistry I	3	CHEM 332 Physical Chemistry II	3
CHEM 336 Physical Chemistry Lab I	2	CHEM 337 Physical Chemistry Lab II	2
CHEM 463 Gen. Biochemistry I	4	CHEM Elective	3
ENGH 302	3	Analytical area req.	3
Social and Behavioral Sciences req.	3	Fine Arts requirement	3
	15		14

SENIOR YEAR (31 CR)

Semester 7		Semester 8	
CHEM 441 Prop./Bond. Inorg. Comp.	3	CHEM 445 or CHEM 465 Lab	2
CHEM 422 Instr. Meth. Chem. Anal.	3	CHEM 423 Instr. Meth. Chem. Anal. Lab	2
Global Understanding requirement	3	Synthesis requirement	3
CHEM Elective	3	Electives	9
Analytical area requirement	3		
	15		16

Note: Mason Core courses and Electives can generally be taken during any semester. The major degree requirements are shown in the order in which they should be taken so that pre- and co-requisites are satisfied.